

# Report of Inspection/Test

## Semi-Annual Lab Inspection

December 30, 2004

### Property

test  
James Field  
113 Draper Hall  
40 Campus Center Way  
University of Mass

### Owner/Agent

Environmental Health & Safe

## Environmental Health & Safety

117 Draper Hall  
UMass at Amherst, MA 01003  
Tel. (413) 545-2682



Conducted by: Scott Labonte

Inspection Ref: 122

### Doors/Lab Safety Card

No	Laboratory Safety Information Card is up to date.
Yes	There is a Biohazard sticker on the Safety card.
No	Biohazards that are listed.
Yes	Other appropriate signs present (i.e., NFPA diamond, gases, flammables, oxidizers, etc.).
Yes	Door windows are unobstructed.
No	Doors are unobstructed.

### Safety

NA	Laboratory personnel have undergone safety training and specific training in the procedures conducted in the lab.
Yes	The drench shower is unobstructed.
Yes	The drench shower has been properly tested.
<b>rewrite questions</b>	
Yes	Eyewash station(s) is available.
Yes	All eyewash stations are accessible.
No	Eyewash stations are "flushed" weekly for at least 3 minutes.
Yes	Fire extinguisher(s) located near lab doors.
Yes	Fire extinguisher(s) not discharged or tampered with.
Yes	Fire extinguisher(s) have current inspection dates.
Yes	First Aid kit is available.

### Signs and Postings

Yes	"CAUTION - EYE PROTECTION REQUIRED"
No	Laboratory Safety Rules are posted.
Yes	Emergency telephone numbers are posted.
No	Emergency gas and electrical shutoffs are clearly labeled.

### General Housekeeping

No	The laboratory is clean, neat, and orderly.
No	Aisles and corridors are free of obstruction and tripping hazards.
No	The floor is in good condition.
Yes	Food and beverages are not consumed and cosmetics not applied in the laboratory.
Yes	Laboratory doors are locked when the laboratory is not in use.
Yes	Chemicals are not discarded into waste baskets or sink drains.

### Radiation Lab Postings

NA	105CMR 120.000 is present
NA	MRCP 120.175-1 is present.
NA	CAUTION RAM sign is present.
NA	Controlled Area sign is present.

### Personal Protective Equipment (PPE)

NA	All laboratory occupants wear the appropriate eye and/or face protection.
NA	The protective eyewear meets ANSI standard, Z87.1, as required.
NA	All laboratory occupants wear appropriate laboratory coats and aprons as needed.
NA	All laboratory occupants wear appropriate gloves as needed.
NA	Laboratory visitors are required to wear personal protective equipment as needed.

### General Safety Procedures

Print Date: 11/18/2005

(All "NO" answers are to be fully explained.)  
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## General Safety Procedures

Yes Shorts and open-toed shoes are prohibited without a laboratory coat and foot coverings.  
Yes Loose clothing and long hair is confined to prevent contact with chemicals and equipment.

## Chemical Safety

except unknowns

No All chemical containers are properly labeled.  
No All chemicals are stored compatibly.  
Yes Flammable liquid storage is kept to an absolute minimum.  
No Flammable liquids are stored in approved flammable storage cabinets or refrigerators.  
Yes Chemicals are not placed or stored on the floor.  
Yes All hazardous, toxic, and odiferous chemicals are used in approved fume hoods.  
No Acutely hazardous chemicals are used with appropriate safeguards.

## Biological Waste

Yes Sharps are disposed of in sharps containers.  
NA Cultures and stocks are chemically disinfected or autoclaved before disposal.  
NA All biohazard identifiers are removed or covered before disposal.  
NA Lab has necessary materials to properly label sharps containers, medical waste and animal carcasses for pick up.

## Chemical Waste

Yes Chemical waste is located in a properly identified area.  
Yes The chemical waste label clearly identifies the chemical constituents and specific hazards.  
Yes Chemical waste containers are closed and in good condition.  
Yes Secondary containment is used properly.  
NA Hazardous waste is checked weekly.  
NA Waste requests have been submitted for full containers.

## Fume Hood and Exhaust Systems

checked 6-17-04

Repair WO Date  
Repair WO Done Date  
Yes Chemical fume hoods and/or bio-safety cabinets have been properly tested.  
Yes Chemical fume hoods are being used at proper sash heights.  
No Chemical fume hoods are not used for storage unless so designated.  
Yes Fume hood lights are working.  
Yes Fume hood or bio-safety cabinet tested within one year.  
Yes Fume hood is being used for research.

## Gas Cylinders

Yes Gas cylinders are stored compatibly.  
Yes All gas cylinders are properly capped or have regulators.  
Yes All gas cylinders are properly secured to a stationary bench or wall.  
NA All flammable gas cylinders are located away from doors.  
Yes All gas cylinders are located away from electric panels or outlets.  
NA Extremely poisonous gases are used in approved gas cylinder cabinets.  
NA Gas cylinders are transported on appropriate carts with straps or chains.

## Refrigerators

Yes Flammable liquids are not stored in non-explosion proof refrigerators.  
Yes Food and beverages are not stored in laboratory refrigerators.  
No Refrigerators are clean and maintained.  
No Freezer are defrosted and clean.

Print Date: 11/18/2005

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Safety*



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### Electrical Safety

Yes	All electrical equipment is properly grounded.
Yes	All electrical cords are in good condition, without splice or defect.
Yes	Electrical outlets are prohibited within chemical fume hoods.
Yes	The electric panel breakers and fuses are properly labeled.
Yes	Electrical cords do not pass through ceilings, doors, or walls.
Yes	Electrical cords are not draped across the laboratory floor.
Yes	Flammable liquids are not potentially near electric ignition sources.
Yes	Acids do not come into close contact with electric ignition sources.
Yes	Guards are provided for all moving parts of electrical equipment (i.e., vacuum pumps).

### Training

No	The laboratory has the Laboratory Health and Safety Manual.
No	MSDS sheets are available.

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### Deficiency Summary

These items were deficient and do not meet the requirements of the applicable code at the time of the inspection. Items marked *Recommendation* are not required by the applicable code but are opportunities to improve the Life Safety of the property.

#### Doors/Lab Safety Card

No

Laboratory Safety Information Card is up to date.

12/1/04 11:28 am



Picture 12/1/04 11:28:16 AM

12/1/04 11:33 am



Picture 12/1/04 11:33:15 AM

1/7/05 2:23 pm



Picture 1/7/05 2:23:58 PM

Yes

There is a Biohazard sticker on the Safety card.

Print Date: 11/18/2005

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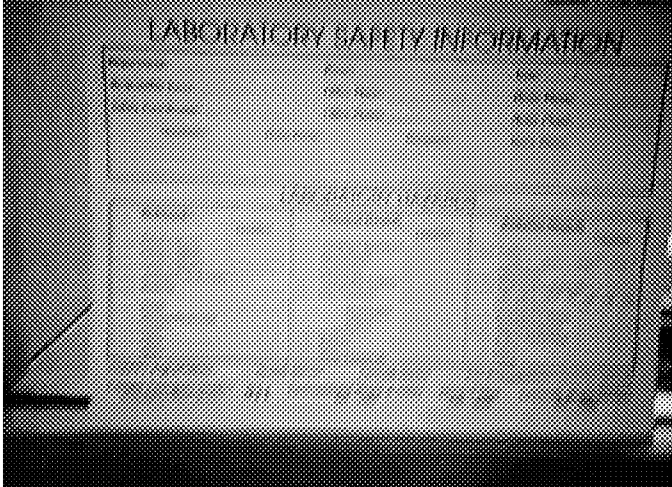
Inspection Ref: 122

### Doors/Lab Safety Card

Yes

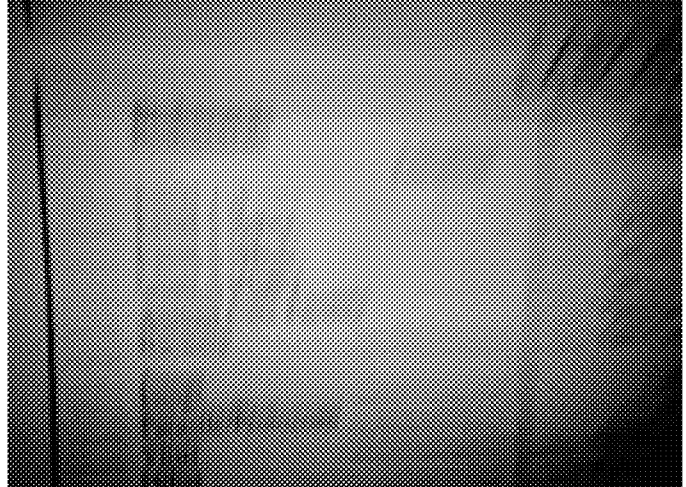
There is a Biohazard sticker on the Safety card.

12/1/04 11:48 am



Picture 12/1/04 11:48:52 AM

12/1/04 11:49 am

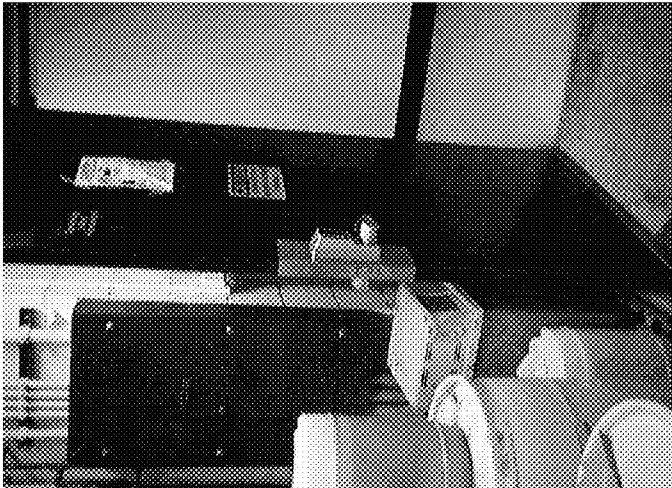


Picture 12/1/04 11:49:44 AM

No

Doors are unobstructed.

12/1/04 2:32 pm



Picture 12/1/04 2:32:36 PM

### Safety

Yes

The drench shower has been properly tested.

rewrite questions

No

Eyewash stations are "flushed" weekly for at least 3 minutes.

### Signs and Postings

Print Date: 11/18/2005

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Inspection Ref: 122

### Signs and Postings

No Laboratory Safety Rules are posted.

No Emergency gas and electrical shutoffs are clearly labeled.

### General Housekeeping

No The laboratory is clean, neat, and orderly.

No Aisles and corridors are free of obstruction and tripping hazards.

### Chemical Safety

except unknowns

No All chemical containers are properly labeled.

No All chemicals are stored compatibly.

12/1/04 3:07 pm



Picture 12/1/04 3:07:56 PM

12/1/04 3:09 pm



Picture 12/1/04 3:09:32 PM

No Flammable liquids are stored in approved flammable storage cabinets or refrigerators.

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### Chemical Safety

except unknowns

No

Flammable liquids are stored in approved flammable storage cabinets or refrigerators.

12/1/04 3:14 pm

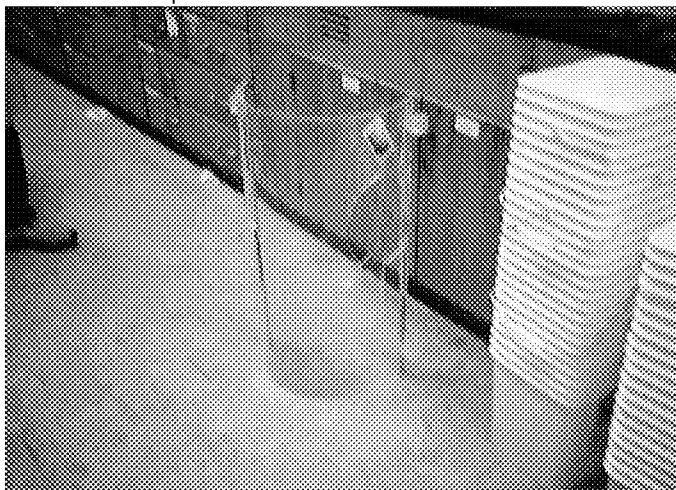


Picture 12/1/04 3:14:25 PM

No

Acutely hazardous chemicals are used with appropriate safeguards.

12/1/04 3:19 pm



Picture 12/1/04 3:19:02 PM

### Fume Hood and Exhaust Systems

checked 6-17-04

No

Chemical fume hoods are not used for storage unless so designated.

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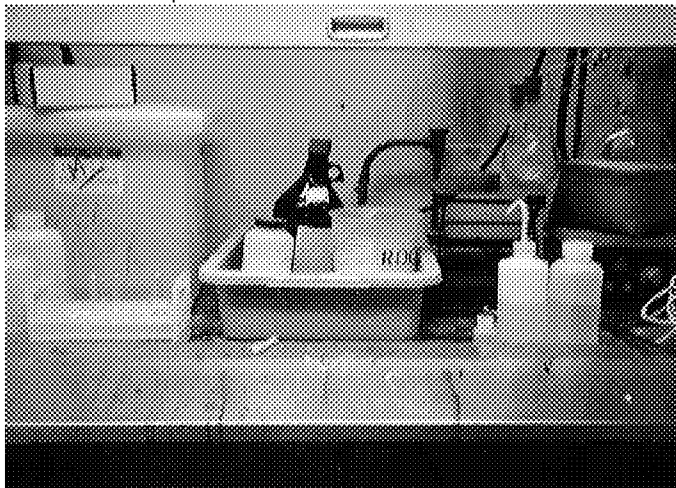
### Fume Hood and Exhaust Systems

checked 6-17-04

No

Chemical fume hoods are not used for storage unless so designated.

12/1/04 3:32 pm



Picture 12/1/04 3:32:13 PM

### Refrigerators

No

Refrigerators are clean and maintained.

No

Freezer are defrosted and clean.

### Training

No

The laboratory has the Laboratory Health and Safety Manual.

No

MSDS sheets are available.